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CTCAGCCGAGGAGGGCACC GCGCGGCTGCGGCGGCGGCGGCGGCGGGCGGGGGCC  
CGGACGGCGGCGGAGAAGGGGCGGCCGAACCCCCCGGGAGTTACGCTGTAGCGACT  
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TGTATCATCTTTGGAATTGTCATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAG  
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CACGATCCATTGAGAAGCATGAGGCGCGGCCCATGCCTCTGCCGCGGCCCTCGGGG  
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AGGCAGGTGCTGTCAATTTTCATGTATCATCTTTGGAATTGTCATCGTGGGCATGTTCTG  
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CCTCTTGCTGCAGCCCAGGGCAAAGAAGTGGCATGCTCCATAGGAATGCCTTCAGAAG  
GACACCCCGTCACCCCGAAGTAGGCTAGGTGGAATTGTGGGACCAGCATATCAGCA  
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TGCCTTCAAGAGAGACAAACCCCTATTTTAATAGCTTGGAGCAAAGGACCTGGTGGG  
CTATTCATCCACAAGGGCCAGTTCTGTGCCCATCATCCCTTCAGTGGGTTTAGAGGAA  
ACCTGCCTGCAAATGCCAGGGATTTCTGAAGTCAAAGCATCAAATGGTGCAAAAACCT  
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ACAACAAGAAGTGAAAATATTGCTAGAACTGTCCAGGAGCAGATCCGAATTCTGACT  
GATGCCAGACGGTCAGAAGACTACGAACTGGCCAGCGTAGAAACCGAGGACAGTGCA  
AGCGAAAACACAGCCTTTCTCCCCCTGAGTCCACAGCCAAATCAGAACGAGAGGCGC  
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GTAGGAATCTGTGCATTCTATGCTTTGCTCAACAGGAAAGAGAGGAAATCAAATACAA  
ATTATTTATATGCATTAATTTAAGAGCATCTACTTAGAAGAAACCAAATAGTCTATCGC  
CCTCATATCATAGTGTTTTTTAACAAAATATTTTTTTAAGGGAAAGAAATGTTTCAGGA  
GGGATAAAGCTT

Figure 2

ATGAGTGAAGGGGCGGCCGCTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCCGCTCGGCCGAGG  
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GACCACCATCACGCGGGCGCCCACTCGCTTCCCCGGGCACCGGGTGCCCATCCGGGCCAGCCGCGCT  
CCACCACAGCACGGAACACTGCGGCCCCCTGCGACGGTCCCGTCCACCACGGCCCCGTTCTTCAGTAGC  
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TGCGGCATACGCTACCTCCTCCTACCTTCACGATTCTACTCCCTCCTGGACCCTGTCTCCCTTTCAGGA  
TGCTGCCTCCTCTTCTTCTCCTTCTTCTCCTCCTCCGCTACCACCACACACAGAACTAGCACCAGCCC  
CAAATTTTCATACGACGACATATTCCACAGAGCGATCCGAGCACTTCAAACCTGCCGAGACAAGGAC  
CTTGCTACTGTCTCAATGATGGCGAGTGCTTTGTGATCGAAACCCTGACCGGATCCCATAAACACTG  
TCGGTGCAAAGAAGGCTACCAAGGAGTCCGTTGTGATCAATTTCTGCCGAAAACCTGATTCCATCTTAT  
CGGATCCAACAGACCACTTGGGGATTGAATTCATGGAGAGTGAAGAAGTTTATCAAAGGCAGGTGCT  
GTCAATTTTCATGTATCATCTTTGGAATTGTCATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAG  
CAAGAAACAAGCTAAACAAATCCAAGAGCAGCTGAAAGTGCCACAAATGGTAAAAGCTACAGTCTC  
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CAAAGGTGGAAGGCATCCTGTGACTGCATTGGAGAAAATGATGGAGTCAAGTTTTGTGCGCCCCCA  
GTCATTCCCTGAGGTCCCTTCTCCTGACAGAGGAAGCCAGTCTGTCAAACACCACAGGAGTCTATCCT  
CTTGCTGCAGCCCAGGGCAAAGAAGTGGCATGCTCCATAGGAATGCCTTCAGAAGGACACCCCCGTC  
ACCCCGAAGTAGGCTAGGTGGAATTGTGGGACCAGCATATCAGCAACTCGAAGAATCAAGGATCCCA  
GACCAGGATACGATACCTTGCCAAGGGTATTATCCAGTGGTTTAAAAACCCAACGAAATACATCAAT  
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GCAAATGCCAGGGATTTCTGAAGTCAAAAGCATCAAATGGTGCAAAAACCTCTATTAGCTGACGTTG  
TCAATGTGAGTATTCCAGTCAGCGATTGTCTTATAGCAGAACAACAAGAAGTGAAAATATTGCTAGAA  
ACTGTCCAGGAGCAGATCCGAATTCTGACTGATGCCAGACGGTCAGAAGACTACGAACTGGCCAGCG  
TAGAAACCGAGGACAGTGCAAGCGAAAAACACAGCCTTTCTCCCCCTGAGTCCACAGCCAAATCAGA  
ACGAGAGGCGCAATTTGTCTTAAGAAATGAAATACAAAGAGACTCTGCATTGACCAAGTGA

hNRG3B1 1 MSEGAAASPPGAASAAAASAEEGTAAAAAAGGGPDGGGEGAAEPPR  
mNRG3 1 MSEGAAASPPGAASAAAASAEEGTAAAAAAGGGPDGGGEGAAEPPR

hNRG3B1 51 ELRCSDCIVWNRQOTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT  
mNRG3 51 ELRCSDCIVWNRQOTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT

hNRG3B1 101 DLVDSKGMGQDPFFLSKPSSFPAKAMTTTTTTTSTTSPATPSAGGAASSRT  
mNRG3 101 DLVDSKGMGQDPFFLSKPSSFPAKAMTTTTTTTSTTSPATPSAGGAASSRT

hNRG3B1 151 PNRISTRLTITRAPTRFPGHRVPTRASPRSTTARNTAAPATVPSTTAPF  
mNRG3 151 PNRISTRLTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVLSSTTAPF

hNRG3B1 201 FSSSTLGSRRPVPFGTPSTQAMPSWPTAAYATSSYLHDSTPSWTLSPFQD-  
mNRG3 201 FSSSTLGSRRPMPGAPSTQAMPSWPTAAYATSSYLHDSTPSWTLSPFQDA

hNRG3B1 250 - AASSSSSSSSSAATTTTETSTSPKFHTTTTSTERSEHFKEPDRDKDLAYC  
mNRG3 251 A AASSSSSSSSSTSTTTTETSTSPKFHTTTTSTERSEHFKEPDRDKDLAYC

hNRG3B1 299 LNDGEQFVIETLTGSHKHCRKEGYOGVRCDOFLPKTDSILSDPTDHLGI  
mNRG3 301 LNDGEQFVIETLTGSHKHCRKEGYOGVRCDOFLPKTDSILSDPTDHLGI

hNRG3B1 349 EFMESEEVYQROVLSISCIIFGIVIVGMFCAAFYFKSKKQAKQIQEQLKV  
mNRG3 351 EFMESEDEVYQROVLSISCIIFGIVIVGMFCAAFYFKSKKQAKQIQEHLKE

hNRG3B1 399 PONGKSYSLKASSTMAKSENLVKS HVQLQNYSKVERHPVTALEKIMESSF  
mNRG3 401 SONGKNYSLKASST--KSESLMKSHVHLQNYSKADRHPTALEKIMESSF

hNRG3B1 449 VGPOSFPEVPSPDRGSQSVKHHRSLSGCCSPGORSGLMHRNAFRRTPPSP  
mNRG3 449 SAPOSFPEVTSPDRGSQPIKHH-----SPGORSGLMHRNTERRAPPSP

hNRG3B1 499 RSRLGGIVGPAYQOLEESRIPDQDTIPCGIEVRKTISHLP IQLWCVERP  
mNRG3 492 RSRLGGIVGPAYQOLEESRIPDQDTIPCGIEVRKTISHLP IQLWCVERP

hNRG3B1 549 DLKYSYSGLKTRNTSINMQLPSRETNPYFNSLEQKDLVGYSSSTRASSV  
mNRG3 542 DLKYVSNGLRTQNASINMQLPSRETNPYFNSLDQKDLVGYLSPRANSV

hNRG3B1 599 PIIPSVGLEETCLQMPGISVKS IKWCKNSYSADVNVVSI PVSDCLIAEQ  
mNRG3 592 PIIPSMGLEETCLQMPGISDVKSIKWCKNSYSADIVNASMPVSDCVIEEQ

hNRG3B1 649 QEVKILLETVQEQIRILTARRSEDYELASVETEDSASENTAFLPLSPTA  
mNRG3 642 QEVKILLETVQEQIRILTARRSEDFELASMETEDSASENTAFLPLSPTA

hNRG3B1 699 KSEREAQFVLRNEIORDSA LTK  
mNRG3 692 KSEREAQFVLRNEIORDSV LTK

Figure 4A

hNRG3B1 1 MSEGAAAASPPGAASAAAASAEEGTAAAAAAAAGGGPDGGGEGAAEPPR  
hNRG3B2 1 MSEGAAAASPPGAASAAAASAEEGTAAAAAAAAGGGPDGGGEGAAEPPR

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hNRG3B2 51 ELRCSDCIVWNRQOTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT

hNRG3B1 101 DLVDSKGMGQDPFFLSKPSFFPKAMETTTTTTTSTTSPATPSAGGAASSRT  
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hNRG3B1 151 PNRISTRLTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVPSTTAPF  
hNRG3B2 151 PNRISTRLTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVPSTTAPF

hNRG3B1 201 FSSSTLGSRPPVPGTPSTQAMPSWPTAAYATSSYLHOSTPSWTLSPFOA  
hNRG3B2 201 FSSSTLGSRPPVPGTPSTQAMPSWPTAAYATSSYLHOSTPSWTLSPFOA

hNRG3B1 251 ASSSSSSSSSATTITPETSTSPKFHTTTYSTERSEHFKPCRDKDLAYCLN  
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hNRG3B1 301 DGE CFVIETLTGSHKHCRCKEGYOGVRCDOFLPKTDSILSDPTDHLGIEF  
hNRG3B2 301 DGE CFVIETLTGSHKHCRCKEGYOGVRCDOFLPKTDSILSDPTDHLGIEF

hNRG3B1 351 WESEEVYOROVLSISCIIFGIVIVGMFCAAFYFKSKKQAKOIQEOLKVPQ  
hNRG3B2 351 WESEEVYOROVLSISCIIFGIVIVGMFCAAFYFKSKKQAKOIQEOLKVPQ

hNRG3B1 401 NGKSYSLKASSTMAKSENLVKSHVOLQNYSKVERHPVTALEKMMESSFVG  
hNRG3B2 401 NGKSYSLKASSTMAKSENLVKSHVOLQNYSKVERHPVTALEKMMESSFVG

hNRG3B1 451 PQSFPEVPSPPDRGSOSVKHHRSLSSCCSPGORSGLH'RNAFRRTPPSPRS  
hNRG3B2 451 PQSFPEVPSPPDRGSOSVKHHRSLSSCCSPGORSGLH'RNAFRRTPPSPRS

hNRG3B1 501 RLGGIVGPAYQOLEESRIPDOOTIPCOGIEVRKTI SHLP IQLWCVERPLD  
hNRG3B2 501 RLGGIVGPAYQOLEESRIPDOOTIPCOG.....

hNRG3B1 551 LK YSSSSGLKTORNTSINMQLPSRETNPFYFNSLEQKDLVGYSSSTRASSVP I  
hNRG3B2 529 - - YSSSSGLKTORNTSINMQLPSRETNPFYFNSLEQKDLVGYSSSTRASSVP I

hNRG3B1 601 IPSVGLEETCLOMPGISEVKS IKWCKNSYSADVNVSI PVSDCLIAEQOE  
hNRG3B2 577 IPSVGLEETCLOMPGISEVKS IKWCKNSYSADVNVSI PVSDCLIAEQOE

hNRG3B1 651 VKILLETVQEQIRILTDARRSEDYELASVETEDSASENTAFLPLSPTAKS  
hNRG3B2 627 VKILLETVQEQIRILTDARRSEDYELASVETEDSASENTAFLPLSPTAKS

hNRG3B1 701 EREAQFVLRNEIORDSALT K  
hNRG3B2 677 EREAQFVLRNEIORDSALT K

Figure 4B

hNRG3.egf

cARIA.egf

hAR.egf

hBTC.egf

hEGF.egf

hHB-EGF.egf

hHRGα.egf

hHRGβ.egf

hTGFα.egf

mEPR.egf

288	H	F	K	P	C	R	D	K	D	L	A	Y	C	L	N	D	G	E	C	F	V	I	E	T	L	T	G	S	H	K	H	.	C	R	C	K	E	G	Y	Q	G	V	R	C	-	D	Q	F	L
137	H	L	T	K	C	D	I	K	K	A	F	C	V	N	G	G	E	C	Y	M	V	K	D	L	P	N	P	R	Y	L	C	R	C	P	N	E	F	T	G	D	R	C	-	Q	N	Y	V		
142	K	K	N	P	C	N	A	E	F	O	N	F	C	I	H	.	G	E	C	K	Y	I	E	H	L	E	A	V	T	.	.	.	C	K	C	Q	Q	E	Y	F	G	E	R	C	G	E	K	S	M
65	H	F	S	R	C	P	K	Q	Y	K	H	Y	C	I	K	.	G	R	C	R	F	V	V	A	E	Q	T	P	S	.	.	.	C	V	C	D	E	G	Y	I	G	A	R	C	E	R	V	D	L
972	S	D	S	E	C	P	L	S	H	D	G	Y	C	L	H	D	G	V	C	M	Y	I	E	A	L	D	K	Y	A	.	.	.	C	N	C	V	V	G	Y	I	G	E	R	C	Q	Y	R	D	L
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57	Q	I	T	K	C	S	S	D	M	D	G	Y	C	L	H	.	G	O	C	I	Y	L	V	D	M	R	E	K	F	.	.	.	C	R	C	E	V	G	Y	T	G	L	R	C	E	H	F	F	L

Figure 5

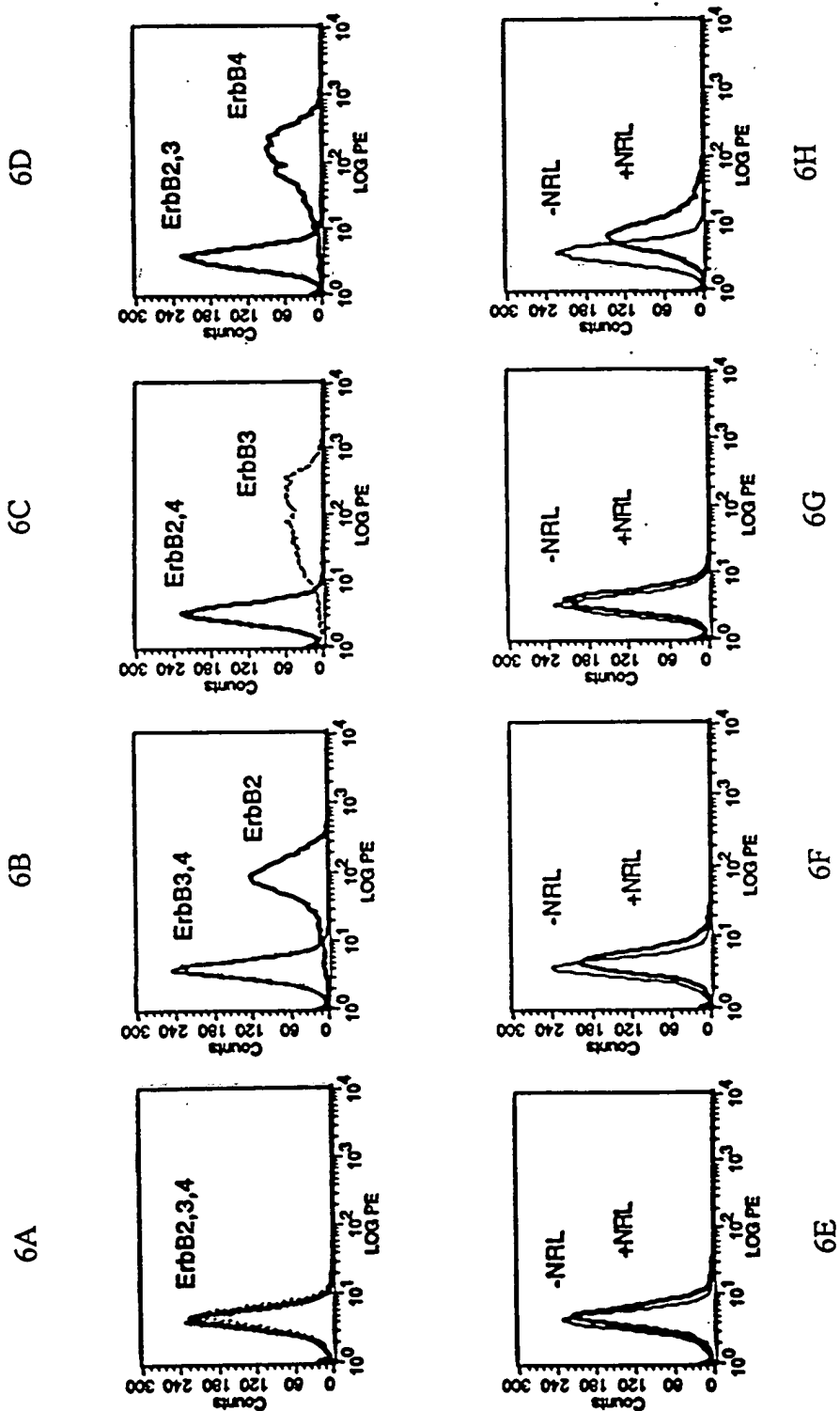


Figure 6A - 6H

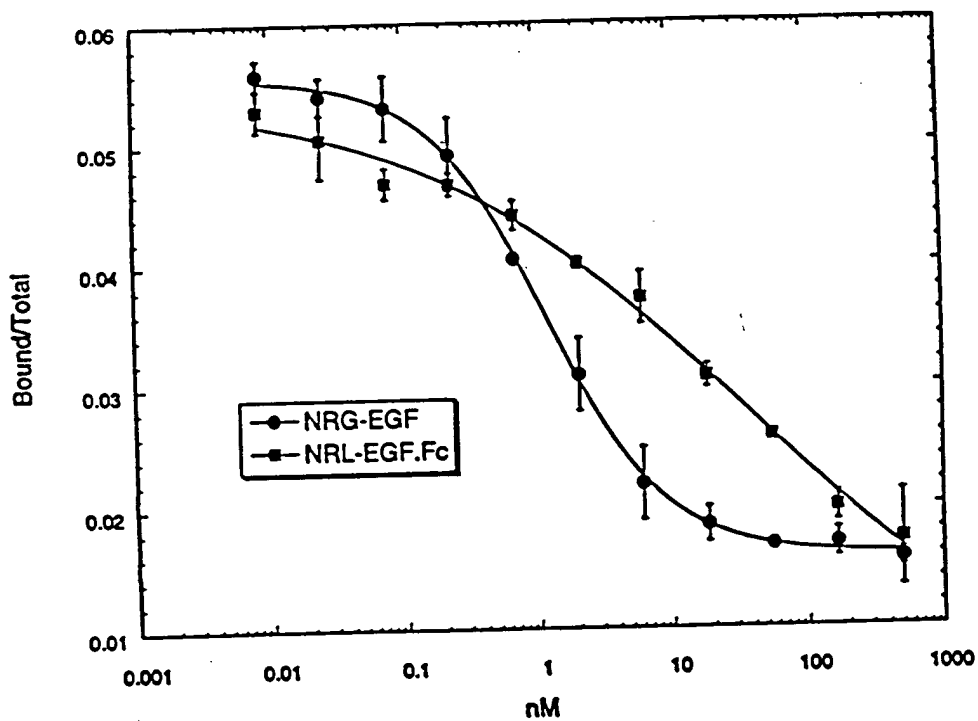


Figure 7